

BioFlix Study Sheet for Protein Synthesis

Print out this PDF and fill it in to make your own study sheet for protein synthesis (or write on a separate sheet of paper). Refer to your book, BioFlix Animation, and BioFlix Tutorials if you need help.

Part I. For each of the following steps in protein synthesis, describe the location in the cell where it occurs, the key events that occur, and the molecule that is produced.

Step in Protein Synthesis	Location in Cell	Key Events	Molecule Produced
Transcription			
RNA Processing			
Translation			
Protein Processing			

Part II. Describe the roles of the following structures in protein synthesis and secretion.

Structure Involved in Protein Synthesis and Secretion	Role
DNA	
mRNA	
Ribosome	
tRNA	
Anticodon	
Amino acid	
Rough endoplasmic reticulum (ER)	
Golgi apparatus	
Plasma membrane	